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(54) CERAMIC ELECTROMAGNETIC FLOWMETER

(57) Abstract:

PURPOSE: To absorb thermal stress at the time of variation in the temperature of fluid by providing porous parts in the vicinity of the internal-diameter surface of a measurement pipe and a lining body which is made of resin while impregnated into the porous parts and lined on the internal-diameter surface of the measurement pipe.

CONSTITUTION: The porous parts 11 are provided in the vicinity of the internal-diameter surface of the ceramic-made measurement pipe 1 of the electromagnetic flowmeter. The lining body 12 is made of the resin impregnated into the porous parts 11 and lined on the internal-diameter surface of the measurement pipe 1. The thermal stress generated when the fluid temperature to be measured varies is absorbed by the porous parts 11 and lining body 2.

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